

REMARKS/ARGUMENTS

The foregoing amendment and the following arguments are provided to impart precision to the claims, by more particularly pointing out the invention, rather than to avoid prior art.

Specification

The title of the invention is objected to for not being descriptive of the invention to which the claims are directed. Applicant respectfully disagrees and declines to change the title.

The abstract of the disclosure is objected to various alleged grammatical errors. Applicant requests that the following abstract be inserted in place of the current abstract:

“A method and apparatus for deferring renaming of an instruction that consumes a destination defined by one of a plurality of predicated instructions. In one embodiment of the invention, renaming of an instruction is deferred by injecting of one or more micro-operations (“uops”) into a list of uops to be executed.”

The Specification is further objected for having the phrase “postpones the predicated instructions down the pipeline” therein at page 10, line 1. The phrase objected to, along with the other objections mentioned above, are addressed in the amended disclosure filed herewith.

Drawings

The drawings are objected to for various reasons. An amended set of drawings are filed herewith.

35 U.S.C. §112 Rejections

Claims 1-8 and 14-16 are rejected under 35 USC §112, first paragraph, for failing to comply with enablement requirements. Particularly, claims 1 and 14 are rejected for including the term “defer” without more clearly articulating until when the renaming is deferred. Claims 1 and 14 have been amended to more clearly articulate the extent to which the register renaming is deferred. Accordingly, Applicant submits the rejection is overcome and the claims are now in condition for allowance.

35 U.S.C. 103 Rejections

Claims 1-6 and 14-16 are rejected as being unpatentable over Dabbagh et al. (U.S. Patent 6,701,425) under 35 U.S.C. 103(a). Specifically, the Office Action bases the rejection off of Dabbagh’s teaching of a “send guard” instruction injected into the pipeline, which transfers a predicate/guard value to a unit in the pipeline that needs to analyze the predicate. Claims 1 and 14, on the other hand teach inserting a uop into the instruction stream to defer renaming of a plurality of registers defined by predicated instructions, which Dabbagh clearly does not teach.

In order to fully support the rejection, the Office Action takes “Official Notice” that it would be obvious to one of ordinary skill in the art to use the “send guard” instruction of Dabbagh to defer renaming of the plurality of registers defined by predicated instructions. Yet, the Office Action provides no teaching that the send guard instruction of Dabbagh is used this way, either within Dabbagh or another reference. Instead, the Office Action merely asserts that it would be obvious to use the send guard instruction to defer the renaming of the plurality of registers as claimed in claims 1 and 14.

This is classic impermissible hind-sight reconstruction of claims 1 and 14. In order to support an obviousness rejection under 35 U.S.C. 103, the Office Action must, *inter alia*, provide a reference teaching each element of the rejected claim and some motivation within the references to combine the references. Not only does the Office Action not provide a reference that teaches using a uop to defer renaming of a plurality of registers defined by a predicated instruction, but the Office Action provides not motivation to combine any such references. Therefore, Applicant submits that the rejection is not supported under the requirements of 35 U.S.C. 103.


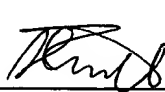
Accordingly, Applicant respectfully submits the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call Erik Metzger at (408) 765 - 3222.

If any additional fees are required, please charge Deposit Account No. 02-2666.

Respectfully submitted,

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